

Clean Renewable Energy Bonds (CREBs)

Solar 2.0 Summer 2016

Summary of Proposed Design

San Ramon Valley USD, Phase 2 Solar PV Project Proposal

System Details					
System Nameplate Size	kWp	3,363			
Production Guarantee (% of Vendor Modeling)	%	95%			
Number of Sites (Quail Run Eliminated)		15 of	16		
Production		Estimated	Guaranteed		
Year 1 Production per Nameplate - Estimated	kWh/kWp	1,656	1,573		
Year 1 System Output	AC kWh	5,567,020	5,288,669		
25-yr Cumulative Output	AC kWh	135,079,177	128,325,218		
Ownership - Cash Purchase - CREBs Financed					
Base Cost	\$	\$12,047,996			
Soft Costs & Contingency	\$	\$931,204			
CREBs Financing Cost	\$	\$264,882			
Total Financed Amount	\$	\$13,244,082			
Ownership - O&M & Performance Guarantee (PeGu) Costs (Estimated)					
Year-1 O&M Cost	\$	\$101,443			
Year-1 PeGu Cost	\$	\$0			
25-Year Total O&M + PeGu Cost, Nominal \$	\$	\$3,466,229			
Ownership - Other Operating Costs (Estimated)					
25-Year Inverter/Equipment Replacement and Insurance Costs	\$	\$472,077			
Ownership - 25-year Project Financial Analysis		Estimated	Guaranteed		
Energy Costs, No PV (Nominal)	\$	\$56,773,905	\$56,773,905		
Energy Costs, With PV (Nominal)	\$	\$37,976,877	\$40,260,398		
Energy Costs, Sage Project Savings (Nominal)	\$	\$18,797,028	\$16,513,507		



System Summary by Site

Site Number	Site Name	PV System Cash Purchase Base Price (\$)	Expected 1 st Year Production (kWh)
1	Bella Vista ES (BVES)	\$759,772	291,675
2	Bollinger Canyon ES (BCES)	\$471,529	233,478
3	Charlotte Wood MS (CWMS)	\$999,591	502,363
4	Coyote Creek ES (CCES)	\$986,415	455,433
5	Creekside ES (CES)	\$718,056	286,216
6	Green Valley ES (GVES)	\$551,468	244,776
7	Greenbrook ES (GES)	\$495,731	249,722
8	Hidden Hills ES (HHES)	\$829,556	380,443
9	Iron Horse MS (IHMS)	\$985,669	513,087
10	John Baldwin ES (JBES)	\$491,458	225,202
11	Live Oak ES (LOES)	\$722,141	352,482
12	Los Cerros MS (LCMS)	\$1,014,062	443,251
13	Pine Valley MS (PVMS)	\$1,051,940	488,294
14	Quail Run ES (QRES)	\$0	0
15	Tassajara Hills ES (THES)	\$705,826	312,547
16	Windemere Ranch MS (WRMS)	\$1,264,781	588,052
Tota	l	\$12,047,996	5,567,020





























